

AMENDMENTS IN THE CLAIMS:

Please amend claims 1, 6, and 11, and add new claim 12, as follows.

1. (Currently Amended) A communication method ~~in a Code Division Multiple Access radio system using a transmission power control based on a Signal Interference Ratio measurement~~, the method comprising:

communicating between at least two transceivers of a radio system using a packet switched connection through a radio interface;

measuring a quality of the packet switched connection;

adjusting a target Signal Interference Ratio based on the quality measured;

transmitting, from a transceiver receiving packets, a request to retransmit at least one packet having a failed reception;

retransmitting, from a transceiver transmitting packets, at least one retransmission packet requested as a response to the request; and

controlling a transmission power by setting a lower target ~~SIR~~ Signal Interference Ratio for retransmission of a retransmission packet than the target Signal Interference Ratio for a first transmission of a corresponding packet.

2. (Original) The method of claim 1, further comprising:

defining a specific target Signal Interference Ratio for at least one retransmission of the retransmission packet.

3. (Original) The method of claim 1, further comprising:
setting a lower target Signal Interference Ratio for a dedicated control channel between transmissions of packets than during transmissions of the packets.

4. (Original) The method of claim 1, further comprising:
transmitting, from the transceiver receiving packets, a transmission strength at which to retransmit the at least the one packet having the failed reception.

5. (Original) The method of claim 1, further comprising:
setting the lower target Signal Interference Ratio according the algorithm:
$$\text{Target_SIR}(N^{\text{th}}) = \text{Target_SIR}(\text{master}) - \text{Step}(N^{\text{th}})[\text{dB}],$$

where $\text{Target_SIR}(N^{\text{th}})$ denotes the SIR of an N^{th} retransmission of a packet,
 $\text{Target_SIR}(\text{master})$ denotes the target SIR of the first transmission of a packet, $\text{Step}(N^{\text{th}})$ denotes an amount by which to decrease the transmission power of the retransmission,
and N is an ordinal number denoting an index of retransmission.

6. (Currently Amended) A communication arrangement ~~in a Code Division Multiple Access radio system using a transmission power control based on a Signal Interference Ratio measurement~~, the arrangement comprising:

at least two transceivers of the radio system ~~for communicating~~ configured to communicate with a packet switched connection through a radio interface;

a measuring mechanism ~~for measuring~~ configured to measure a quality of the packet switched connection;

an adjusting mechanism ~~for adjusting~~ configured to adjust a target Signal Interference Ratio based on the quality measured;

a transceiver configured to receive ~~receiving~~ packets and to transmit ~~for transmitting~~ a request to retransmit when there is a failure to receive at least one packet;

a transceiver ~~transmitting~~ configured to transmit packets ~~for retransmitting and configured to retransmit~~ at least one retransmission packet requested as a response to the request; and

a controller ~~for setting~~ configured to set a lower target Signal Interference Ratio for retransmission of a packet than the target Signal Interference Ratio for a first transmission of the corresponding packet.

7. (Original) The arrangement of claim 6, w h e r e i n the arrangement is configured to define a specific target Signal Interference Ratio for at least one retransmission of the retransmission packet.

8. (Original) The arrangement of claim 6, w h e r e i n the controller is configured to set a lower target Signal Interference Ratio for a dedicated control channel between transmissions of packets than during the transmission of the packets.

9. (Original) The arrangement of claim 6, w h e r e i n the transceiver receiving the packets is configured to transmit a transmission strength at which to retransmit at least the one packet having a failed reception.

10. (Original) The arrangement of claim 6, w h e r e i n the controller is configured to set the lower target Signal Interference Ratio according to the algorithm:

$$\text{Target_SIR}(N^{\text{th}}) = \text{Target_SIR}(\text{master}) - \text{Step}(N^{\text{th}})[\text{dB}],$$

where $\text{Target_SIR}(N^{\text{th}})$ denotes the SIR of an N^{th} retransmission of a packet, $\text{Target_SIR}(\text{master})$ denotes the target SIR of the first transmission of a packet, $\text{Step}(N^{\text{th}})$ denotes an amount by which to decrease the transmission power of the retransmission, and N is an ordinal number denoting an index of retransmission.

11. (Currently Amended) ~~A communication arrangement in a Code Division Multiple Access radio system using a transmission power control based on a Signal Interference Ratio measurement~~, the arrangement comprising:

communicating means for ~~e9om~~communicating communicating between at least two transceivers of a radio system using a packet switched connection through a radio interface;

measuring means for measuring a quality of the packet switched connection;

adjusting means for adjusting a target Signal Interference Ratio based on the quality measured;

transmitting means for transmitting, from a transceiver receiving packets, a request to retransmit at least one packet having a failed reception;

retransmitting means for retransmitting, from a transceiver transmitting packets, at least one retransmission packet requested as a response to the request; and

controlling means for controlling a transmission power by setting a lower target Signal Interference Ratio for retransmission of a retransmission packet than the target Signal Interference Ratio for a first transmission of a corresponding packet.

12. (New) A radio network controller in a CDMA radio system for communication with a packet switched connection through a radio interface, the radio system having a request for retransmission and a retransmission as a response to the

request in the case of failure in reception of at least one packet, the radio network controller being configured to:

receive a measured quality of the packet switched connection, and to adjust a target SIR based on a measured quality of the connection; and

set a lower target SIR for retransmission of a packet than the target SIR for the first transmission of the corresponding packet.